



United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

23494

7590

03/21/2006

TEXAS INSTRUMENTS INCORPORATED P O BOX 655474, M/S 3999 DALLAS, TX 75265

EXAMINER
OLSON, JASON C

PAPER NUMBER

ART UNIT

DATE MAILED: 03/21/2006

APPLICATION NO. FILING DA		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
	10/749,088	12/30/2003	Jeremy Kuehlwein	TI-37007	7964

TITLE OF INVENTION: HARD DISK STORAGE SYSTEM INCLUDING A FIRST TRANSISTOR TYPE AND A SECOND TRANSISTOR TYPE WHERE A FIRST VOLTAGE LEVEL PULLS ONE OF A FIRST PAIR OF TRANSISTORS AND A SECOND VOLTAGE LEVEL PULLS ONE OF A SECOND PAIR OF TRANSISTORS AT SUBSTANTIALLY THE SAME TIME

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	06/21/2006

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
(571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further con indicated unless corrected maintenance fee notification	below or directed otherwise	ratent, advance ord in Block I, by (a)	ers and not specifying	ification a new c	orrespondence address	will be mailed to the current s; and/or (b) indicating a sep	t correspondence address as arate "FEE ADDRESS" for	
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)					Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must			
23494 75	90 03/21/2006				have its own certificat	e of mailing or transmission.	5,	
TEXAS INSTRU P O BOX 655474, DALLAS, TX 752	RATED			Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.				
							(Depositor's name)	
							(Signature)	
							(Date)	
APPLICATION NO.	FILING DATE	F	IRST NAMEI	D IÑVEN	TÖR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/749,088	12/30/2003		Jeremy K	uehlwei	n	TI-37007	7964	
WHERE A FIRST VOLTA		F A FIRST PAIR	OF TRANS			D A SECOND TRANSISTO OLTAGE LEVEL PULLS C		
APPLN. TYPE	SMALL ENTITY	ISSUE FEI	E	PU	BLICATION FEE	TOTAL FEE(S) DUE	DATE DUE	
nonprovisional	NO	\$1400	-		\$300	\$1700	06/21/2006	
EXAM	IINER	ART UNIT	г	CLASS-SUBCLASS]		
OLSON,	JASON C	2651			360-067000	•		
CFR 1.363). Change of correspond Address form PTO/SB/12 "Fee Address" indicat PTO/SB/47; Rev 03-02 of Number is required. 3. ASSIGNEE NAME AND	rion (or "Fee Address" Indicator more recent) attached. Use RESIDENCE DATA TO B an assignee is identified be 37 CFR 3.11. Completion of	Correspondence tion form of a Customer E PRINTED ON THe low, no assignee do of this form is NOT	(1) the nation agents (2) the nation registered 2 registered listed, no results will app a substitute	mes of u OR, alter ne of a s attorney of patent name will (print of ear on the	single firm (having as a or agent) and the name attorneys or agents. If all be printed.	a member a 2a nes of up to no name is 3a nee is identified below, the d	locument has been filed for	
Please check the appropriate	assignee category or category	ries (will not be prin	ited on the p	atent) :	☐ Individual ☐ C	orporation or other private gr	oup entity Government	
ta. The following fee(s) are Issue Fee Publication Fee (No s Advance Order - # of	d) (b. Payment of Fee(s): A check in the amount of the fee(s) is enclosed. Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).						
	(from status indicated above	,						
	MALL ENTITY status. See					LL ENTITY status. See 37 C		
NOTE: The Issue Fee and Pronterest as shown by the reco	is requested to apply the Issu ublication Fee (if required) words of the United States Pate	vill not be accepted on the and Trademark C	on Fee (if an from anyone of fice.	other th	re-apply any previous nan the applicant; a reg	y paid issue fee to the application istered attorney or agent; or the	ation identified above. he assignee or other party in	
Authorized Signature					Date			
						No		
Tiexandria, virginia 22313.	1450.					the public which is to file (an minutes to complete, includir omments on the amount of ti Trademark Office, U.S. Dep S. SEND TO: Commissioner displays a valid OMB control		



United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/749,088	1	2/30/2003	Jeremy Kuehlwein	TI-37007	7964	
23494	7590	03/21/2006		EXAM	INER	
TEXAS INST	RUMENT	S INCORPOR	OLSON, JASON C			
P O BOX 65547	4, M/S 399	99	ART UNIT	PAPER NUMBER		
DALLAS, TX 7	5265			2651		
			DATE MAILED: 03/21/2006			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 12 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 12 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.